

Product Datasheet

ACE-2 Antibody (AC18F) - Azide and BSA Free NBP2-80035-100ug

Unit Size: 100 ug

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-80035-100ug

ACE-2 Antibody (AC18F) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	AC18F
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	0.2 um-filtered solution in PBS, pH 7.4, 10% glycerol

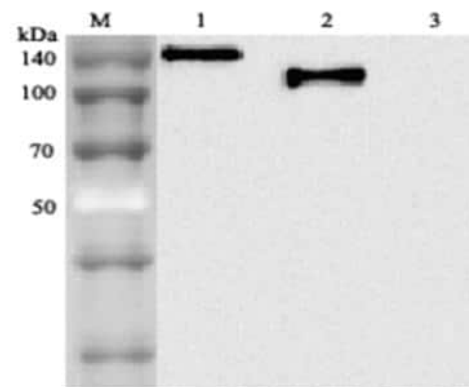
Product Description	
Description	Novus Biologicals Mouse ACE-2 Antibody (AC18F) - Azide and BSA Free (NBP2-80035) is a monoclonal antibody validated for use in WB, ELISA and Flow. Anti-ACE-2 Antibody: Cited in 8 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	59272
Gene Symbol	ACE2
Species	Human
Specificity/Sensitivity	Recognizes human ACE-2. Does not detect recombinant human ACE-2 that has a tag at the C-terminus of the protein.
Immunogen	Recombinant human ACE-2.

Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, CyTOF-ready
Recommended Dilutions	Western Blot 1:2000 - 1:10000, Flow Cytometry 1:1000, ELISA 1:2000 - 1:10000, CyTOF-ready
Application Notes	Western blot: Use ECL substrate. Suggested blocking and dilution buffer is PBST with 0.05% Tween 20 and 5% skim milk. Suggested incubation time is 1 hour at room temperature.

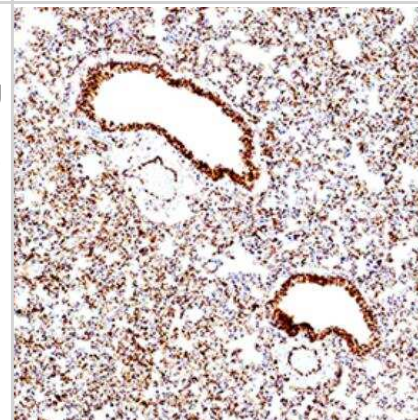


Images

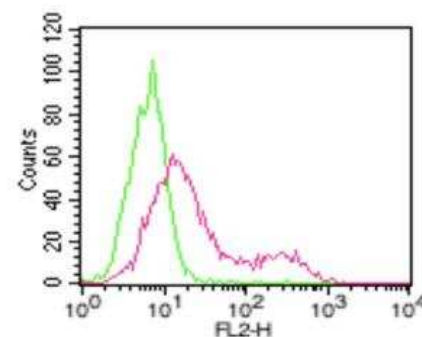
Western Blot: ACE-2 Antibody (AC18F) [NBP2-80035] - Western blot analysis using anti-ACE2 (human), mAb (AC18F) at 1: 2,000 dilution. Lane 1. hACE2 (Fc protein). Lane 2. hACE2 (Ecto domain) (FLAG(R)-tagged). Lane 3. Other hGITR (Fc protein) (control).



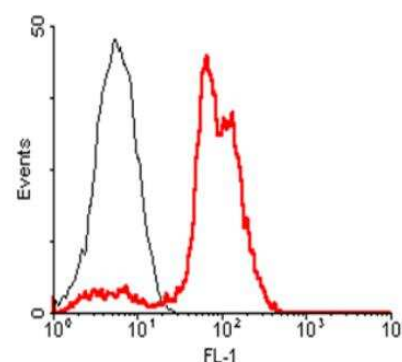
Immunohistochemistry-Paraffin: ACE-2 Antibody (AC18F) [NBP2-80035] - ACE-2 staining in paraffin-embedded sections of hamster lung tissue using Mouse Anti-Human ACE-2 (AC18F) Monoclonal Antibody (Catalog # NBP2-80035) at 10 ug/ml overnight at 4 degrees C. Detection kit: VC001. Counterstain: Hematoxylin. Localization: respiratory bronchioles.



Flow Cytometry: ACE-2 Antibody (AC18F) [NBP2-80035] - Detection of endogenous human ACE2 by anti-ACE2 (h), mAb (AC18F). HepG2 cell line treated with CellTase solution (Abeomics) before analysis and then stained with anti-ACE2 (h), mAb (AC18F) (red line) or an isotype control, mouse IgG1 (green line) at 1ug/10E6 cells each, revealed with a PE-conjugated goat anti-mouse IgG and then analyzed by flow cytometry.



Flow Cytometry: ACE-2 Antibody (AC18F) [NBP2-80035] - HepG2 cells were stained significantly using anti-ACE2 (human), mAb (AC18F).



Publications

Saccon TD, Mousovich-Neto F, Ludwig RG et al. SARS-CoV-2 infects adipose tissue in a fat depot- and viral lineage-dependent manner *Nature communications* 2022-09-29 [PMID: 36175400] (WB)

Song X, Hu W, Yu H et al. High expression of angiotensin-converting enzyme-2 (ACE2) on tissue macrophages that may be targeted by virus SARS-CoV-2 in COVID-19 patients *Phytomed Plus* 2022-04-11 [PMID: 35399819]

Tada T, Fan C, Kaur R et al. A Soluble ACE2 Microbody Protein Fused to a Single Immunoglobulin Fc Domain is a Potent Inhibitor of SARS-CoV-2 Infection *Cell Rep* 2020-12-16 [PMID: 33326798]

Welch JL, Xiang J, Chang Q et al. Human T cells express Angiotensin Converting Enzyme 2 at levels sufficient to interact with the SARS-CoV-2 Spike protein *The Journal of infectious diseases* 2021-12-16 [PMID: 34918095] (FLOW)

Saiz ML, De Diego ML, LOpez-Garcla D Et al. Epigenetic targeting of the ACE2 and NRP1 viral receptors limits SARS-CoV-2 infectivity *Clinical epigenetics* 2021-10-11 [PMID: 34635175] (WB)

Schwabenland M, SaliE H, Tanevski J et al. Deep spatial profiling of COVID19 brains reveals neuroinflammation by compartmentalized local immune cell interactions and targets for intervention *Immunity* 2021-06-09 [PMID: 34174183]

Song X, Hu W, Yu H et al. Little to no expression of angiotensin-converting enzyme-2 on most human peripheral blood immune cells but highly expressed on tissue macrophages *Cytometry. Part A : the journal of the International Society for Analytical Cytology* 2020-12-06 [PMID: 33280254] (FLOW, Human)

Barkama R, Mayo A, Paz A et al. Placenta-Derived Cell Therapy to Treat Patients With Respiratory Failure Due to Coronavirus Disease 2019 *Critical care explorations* 2020-09-01 [PMID: 32984833] (Human)

Bensch B, Schwabenland M, SaliE H et al. Deep spatial profiling of COVID19 brains reveals neuroinflammation by compartmentalized local immune cell interactions and targets for intervention *Research Square* Aug 28 2020 12:00AM (IHC, Human)





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-80035-100ug

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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